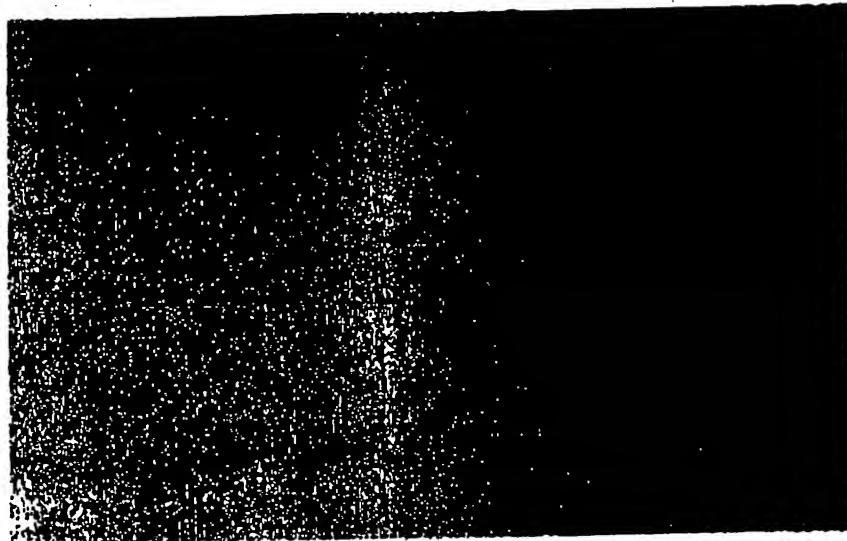
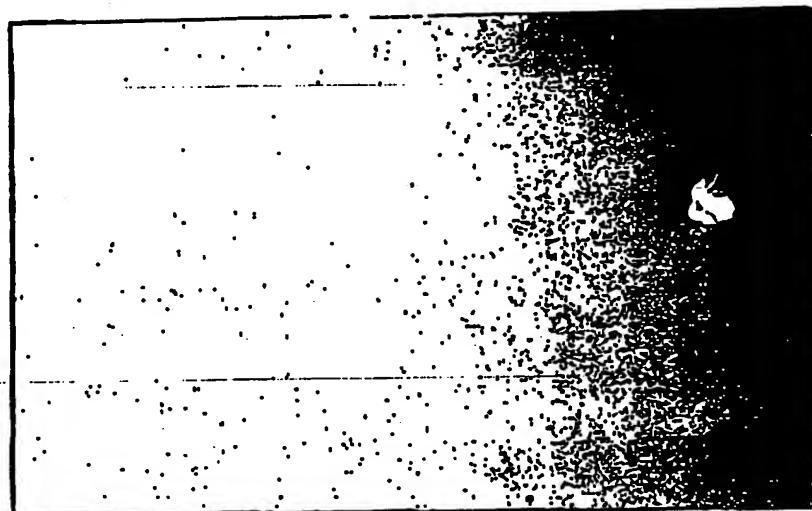


FIG. 5



SURFACE MORPHOLOGY B (250 μm \times 190 μm)

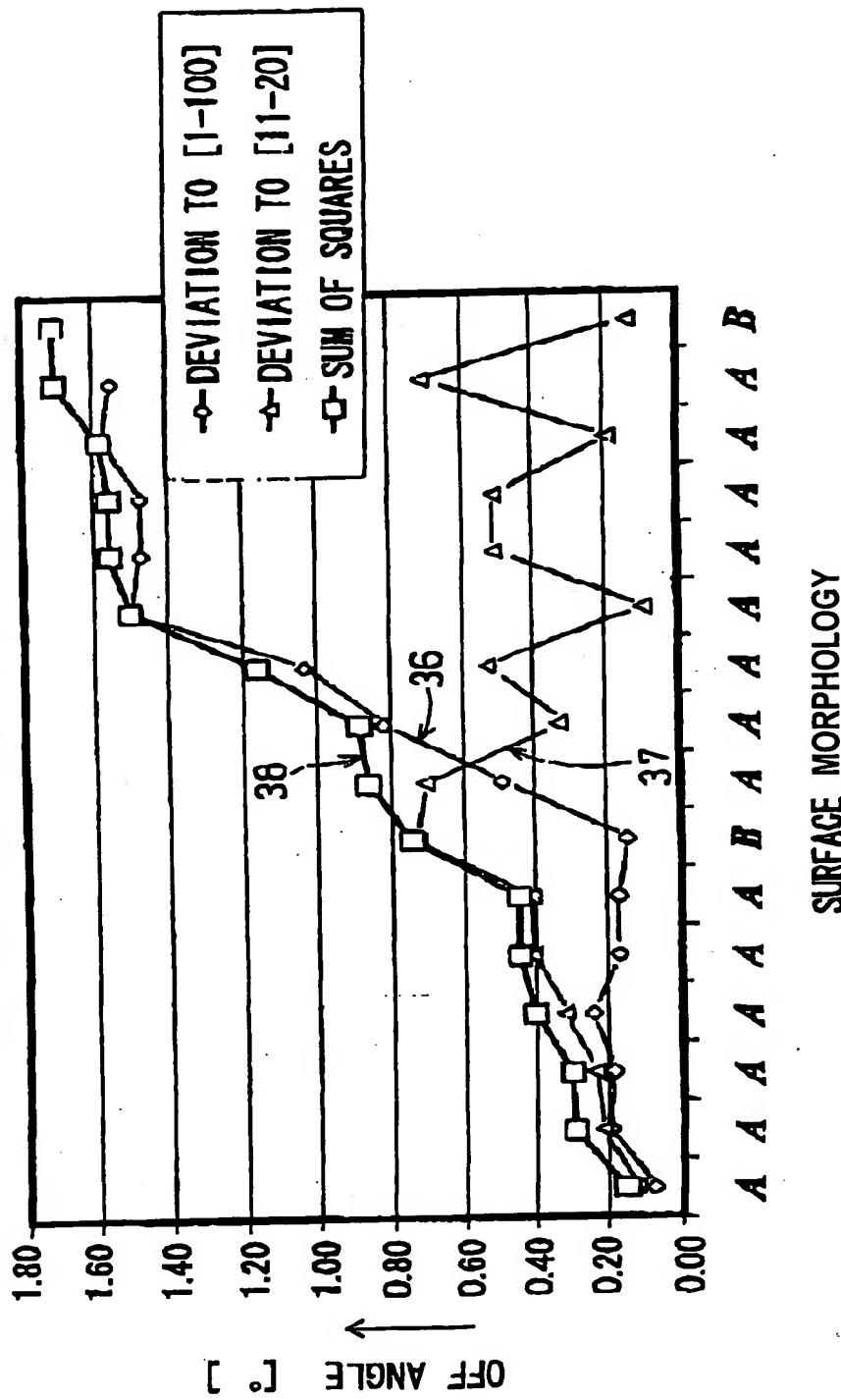
FIG. 6



SURFACE MORPHOLOGY A (250 μm \times 190 μm)

FIG. 7

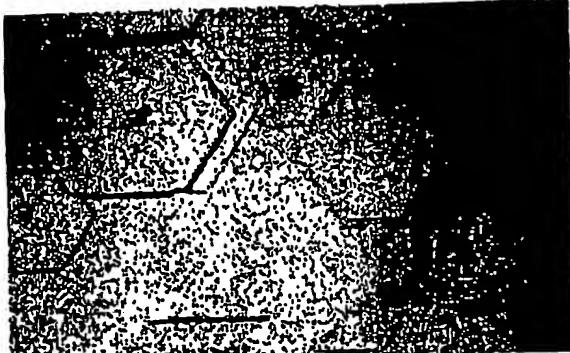
OFF ANGLE BETWEEN NORMAL LINE ON SURFACE OF ZrB₂ SUBSTRATE
AND [0001] AXIS, AND SURFACE MORPHOLOGY



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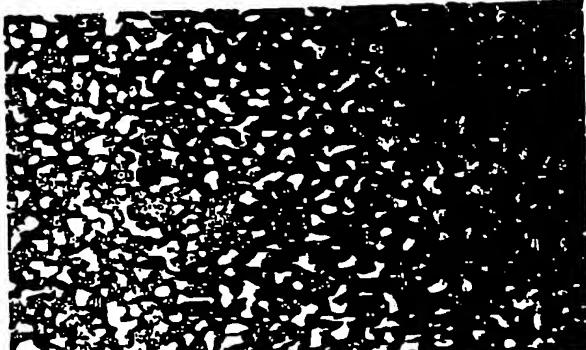
FIG. 9

(5)



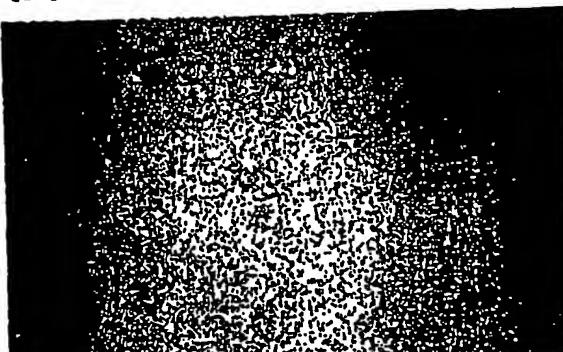
1100°C OR MORE 0.25 873 ARCSECONDS

(1)



400°C 0.8 —

(2)



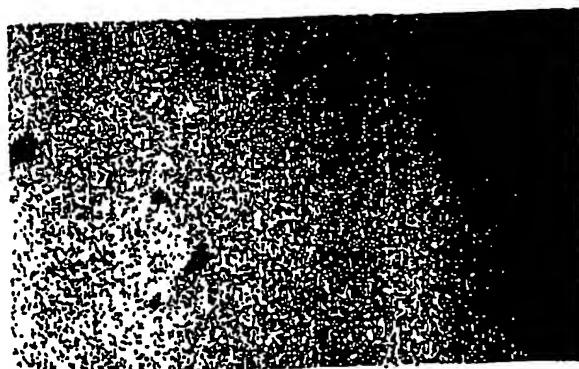
725°C 0.6 760 ARCSECONDS

(3)



850°C 0.5 596 ARCSECONDS

(4)



925°C 0.4 —

FIG. 10

RELATION BETWEEN FILM THICKNESS OF
 $(\text{AlN})_x(\text{GaN})_{1-x}$ AND X-RAY FWHM (TILT)

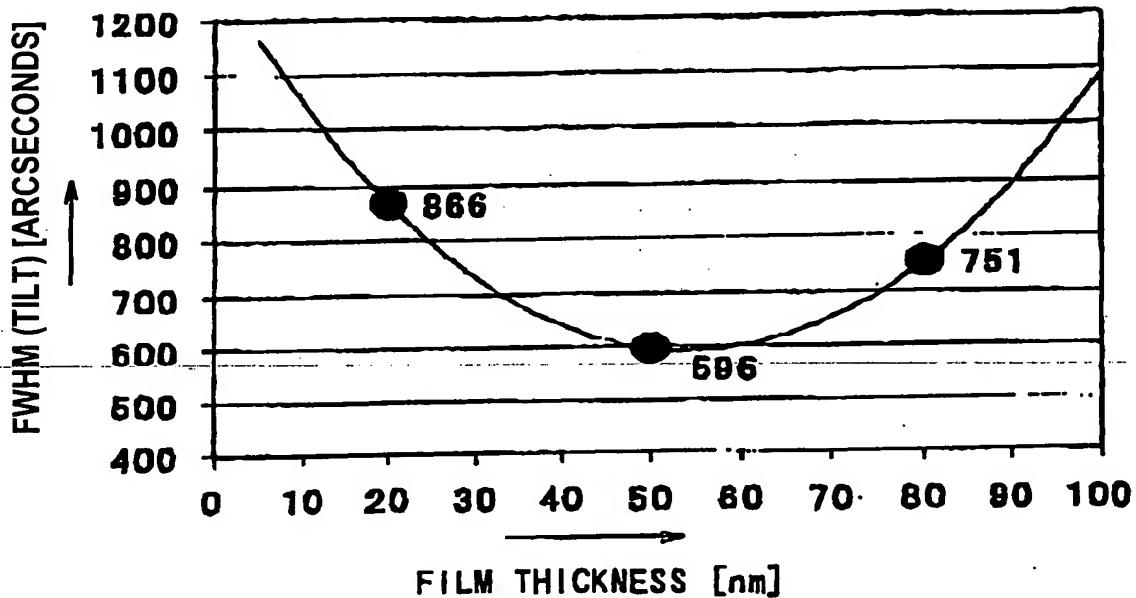


FIG. 11

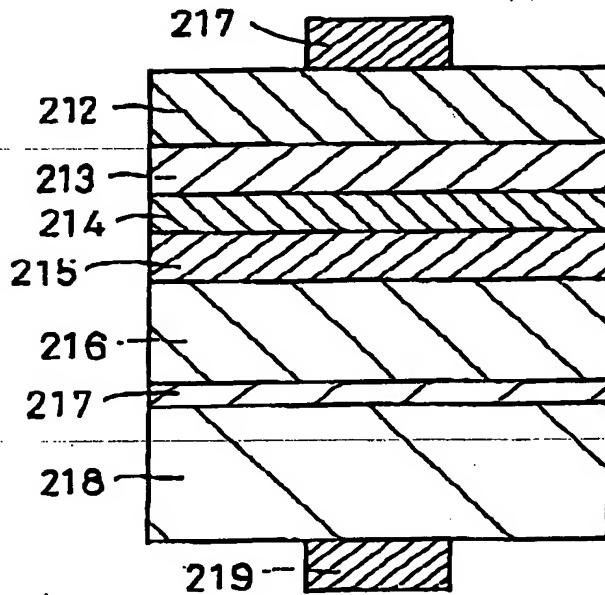
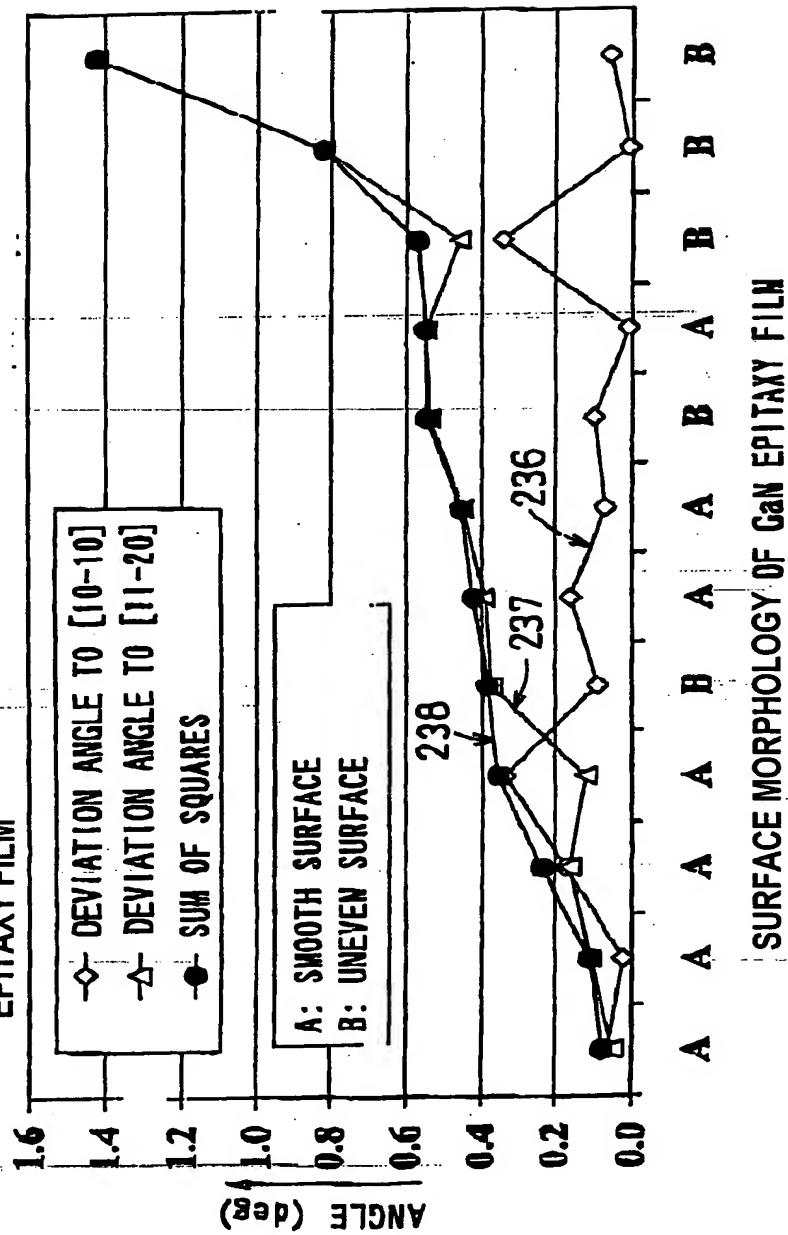


FIG. 12

RELATION BETWEEN OFF ANGLE OF NORMAL LINE OF SURFACE OF $7\pi/8$, SUBSTRATE
FROM [0001] CRYSTAL AXIS AND SURFACE MORPHOLOGY OF GaN
EPITAXY FILM



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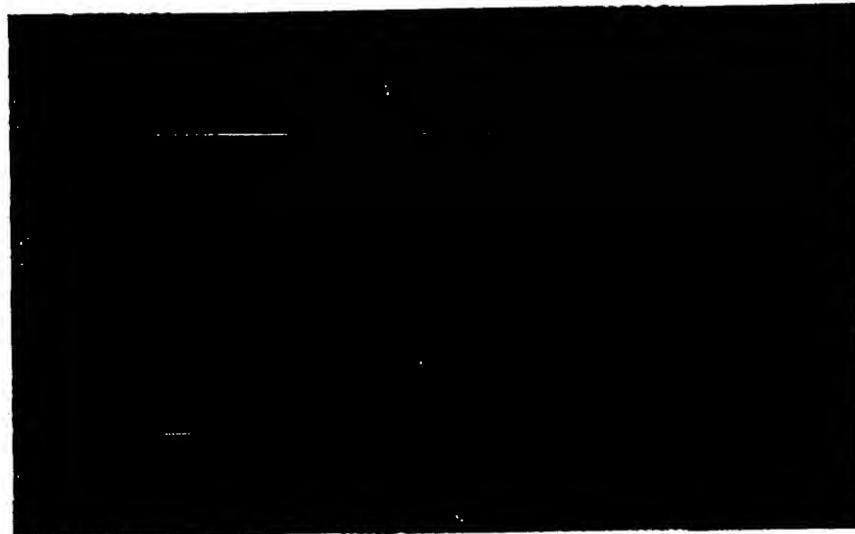
Application No. 10/810,309
Applicants: AKASAKI et al.
Docket No. 81716.0122
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FIG. 13



SURFACE MORPHOLOGY B (250 μm \times 190 μm)

FIG. 14



SURFACE MORPHOLOGY A (250 μm \times 190 μm)

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